

CLAIMS

I claim:

1. (previously presented) A device for lifting one or more vehicles or equipment having a column mounted upon a base and reinforced to said base, said column containing with a vertical screw drive powered by a reversible electrical motor mounted upon said column opposite said base, wherein the improvement comprises:

one or more carriages mounting to said screw drive; and,
one or more booms mounting to said carriages generally extending perpendicular to said column,
whereby, a vehicle is placed upon said boom, positioned at a desired elevation, and pivoted into a final location for storage.

2. (previously presented) The lifting device of claim 1 further comprising:

said carriage having an upper flange having a complete hole; a lower flange parallel and mutually spaced apart from said upper flange having a semicircular hole coaxial with the complete hole; and, one or more handles proximate to said lower flange, opposite, coaxial, and perpendicular to said column,

whereby, said upper flange rests upon and around said carriage and said lower flange merely rests against said screw drive.

3. (previously presented) The lifting device of claim 1 further comprising:

said boom having an extension that telescopes coaxial with said boom and away from said column.

4. (previously presented) The lifting device of claim 2 wherein said complete hole is round.

5. (previously presented) The lifting device of claim 2 wherein said complete hole is elliptical.

6. (previously presented) A method for storing one or more vehicles or equipment vertically, the steps comprising:

- a) reinforcing the base of a column for a vertical screw lift;
- b) installing a carriage upon said screw lift;
- c) placing a boom upon said carriage;
- d) telescoping an extension of said boom as desired;
- e) placing said vehicle upon said boom;
- f) raising and rotating said boom to a desired position; and,
- g) repeating steps b) through f) for each additional vehicle until load capacity of said column is attained.

7. (cancelled)

8. (new) A device for lifting a plurality of motorcycles having a column mounted upon a base and reinforced to said base, said column containing a vertical screw drive powered by a reversible electrical motor mounted upon said column opposite said base, wherein the improvement comprises:

a plurality of threaded sleeves threadedly mounted upon said screw drive and provided for vertical movement thereupon;

a pivot provided upon the threaded sleeve forwardly of its mounted column;

a plurality of carriages pivotally mounting to said threaded sleeves;

a plurality of booms, one of each boom being mounted to a carriage and generally extending perpendicular to said column;

each carriage having an upper flange having a complete hole, a lower flange parallel to and mutually spaced apart from said upper flange having a semi circular hole coaxial with the complete hole, said upper flange applied upon said pivot and said lower flange resting against said pivot, whereby said carriage is provided with limited lateral pivot relative to said column,

whereby a motorcycle placed upon said boom, is positioned at a desired elevation, and pivoted into a final location for storage, and said additional

carriages and booms are applied to additional threaded sleeves upon said vertical screw drive to accommodate storage of other motorcycles.

9. (new) The lifting device of claim 8 further comprising:
said boom having an extension that telescopes coaxial with said boom and away from said column.

10. (new) The lifting device of claim 8 wherein said complete hole is round.

11. (new) A method for storing one or more motorcycles vertically, the steps comprising:

- h) reinforcing the base of a column for a vertical screw lift;
- i) installing at least one carriage upon said screw lift;
- j) placing a boom upon each carriage;
- k) telescoping an extension of said boom for its lengthening;
- l) placing a vehicle upon said boom;
- m) raising and laterally pivoting said boom to a desired position; and,
- n) repeating steps b) through f) for each additional vehicle to be applied to the vehicle storing column until the capacity of the column is attained.

12. (new) The lifting device of claim 8 and including one or more handles extending laterally from said carriage, and perpendicular to said column to facilitate pivot of each carriage and its boom.